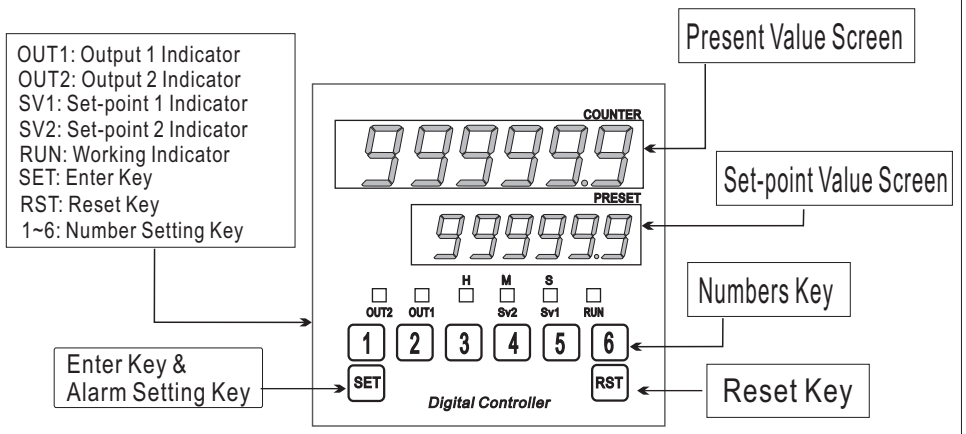
CR 6 DIGITAL COUNTER MANUAL

✻ Please understand key indicators & functions at the first operation.

FRONT PANEL & KEY FUNCTIONS



Key Name	Symbol	Descriptions
Enter Key & Alarm Setting Key	SET	1. In the measuring status, press this key can enter to alarm setting pages. 2. In the measuring status, press this key for 5 secs can enter to parameters group. 3. In the parameter setting, press this key can save the value & go to next parameter.
Reset Key	RST	1. Press this key to enable the reset functi on.
Numbers Key	1 2 3 4 5 6	1. In the alarm setting, press each number key can increased up the digit. 2. In the parameter setting, press any number key can enter to the setting. digit, the value will be increased up.

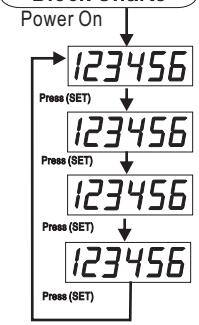
**1. The following block charts are parameters codes, parameter codes & parameters will alternate flashing if the parameters can be modified.

2. To modify the parameters, please press any number keys , and press SET to save the parameter after the modification.

3. Please don't forget the new pass code after modification.

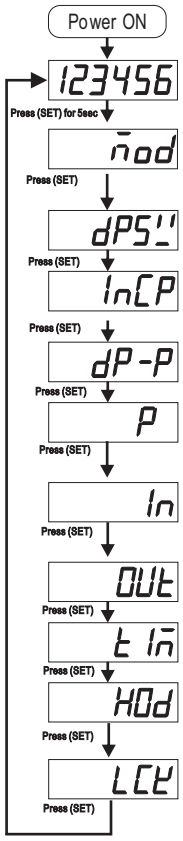
GENERAL MODE OPERATING PROCEDURES

Block Charts



Display	Descriptions	Default
	Alarm Setpoint	
Measuring Status	Present value for measurement	
Alarm 1 Setpoint (AL1)	1. Press SET key, unit SV2 indicator is lighted. 2. Press any number keys to modify alarm 1 setpoint, then press SET to save the parameter.	000000
Alarm 2 Setpoint (AL2)	1. Press SET key, unit SV1 indicator is lighted. 2. Press any number keys to modify alarm 2 setpoint, then press SET to save the parameter.	000000
Initial Value Setting (SV)	1. Press SET key, unit SV indicator is lighted. 2. Press any number keys to modify initial value, then press SET to save the parameter. **This parameter will be appeared while "Mod" is SP-1	000000

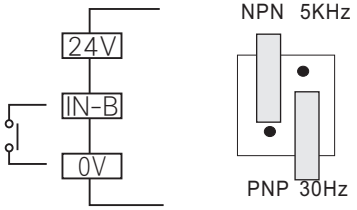
GENERAL MODE OPERATING PROCEDURES



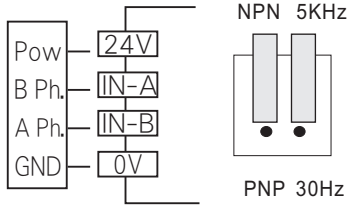
Display	Descriptions	Default
	Parameter Group Setting Procedures	
Measuring Status	Present value for measurement	
Counting Mode Setting (MOd)	1. Press any number keys to select counting mode, then press SET to save the parameter. (SP-0: from reset value; SP-1: from initial value)	SP-0
Decimal Point Setting (dPSV)	1. Press any number keys to select decimal point, then press SET to save the parameter.	Customers specify
Input Frequency Setting (InCP)	1. Press any number keys to select input frequency, then press SET to save the parameter. (5K: 5KHz; 30:30Hz)	5K
Scale Coefficient Decimal Point (dP-P)	1. Press any number keys to select scale coefficient decimal point, then, press SET to save the parameter.	Customers specify
Scale Coefficient Adjustment (P)	1. Press any number keys to modify scale coefficient, then press SET to save the parameter. (0.00 00~9.99999)	1
Input Mode Setting (OUt)	1. Press any number keys to select input mode, then press SET to save the parameter. (U_n: NPN up, U_P: PNP up, d_n: NPN down, d_P: PNP down, Ud: AB phase input)	U_n
Alarm Mode Setting (OUt)	1. Press any number keys to select alarm mode , then press SET to save the parameter. (N, R, C, L, K, Q, A)	C
Alarm Run Time Setting (tIm)	1. Press any number keys to modify alarm run time, then press SET to save the parameter.	0.50
Memory Hold Setting (HOd)	1. Press any number keys to select memory hold, then press SET to save the parameter. (Yes, No)	YES
Key Lock Setting (LCK)	1. Press any number keys to modify key lock function, then press SET to save the parameter. 0000: all of parameters can be modified. 0001: Only LCK, SV1, SV2, SV can be modified. 0110: Only LCK can be modified. 1111: All of the functions are locked, including RST key.	0000

Input Signal Modification

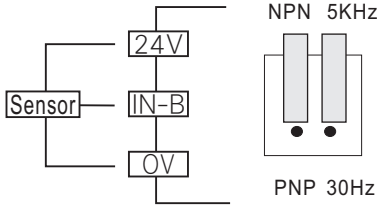
**Contact input:



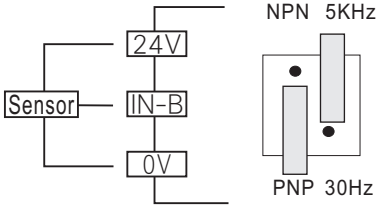
**Encoder Input:



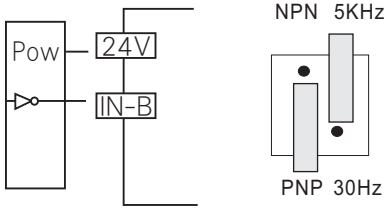
**NPN Input:



**PNP Input:

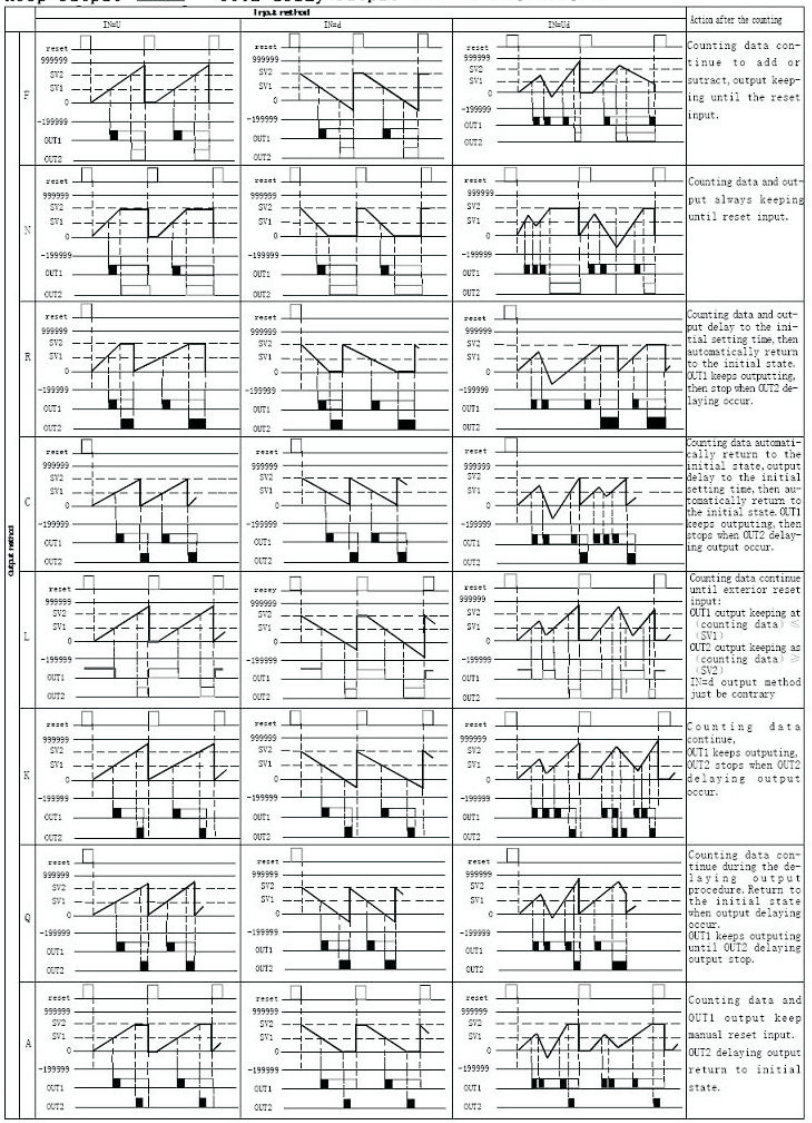


**2 Wire Sensor Input:



Relay Output Mode Description

Attached picture: Counting data and output method logic relationship
delay time: 0.01S-9999.99S delay output
keep output OUT2 delay output keep output


Input method
IN=U
IN=d
IN=Ud
Action after the counting
output method
reset
999999
SV2
SV1
0
-199999
OUT1
OUT2
U
N
R
C
L
M
Q
A
Counting data continue to add or subtract, output keeping until the reset input.
Counting data and output always keeping until reset input.
Counting data and output delay to the initial setting time, then automatically return to the initial state. OUT1 keeps outputting, then stop when OUT2 delaying occur.
Counting data automatically return to the initial state, output delay to the initial setting time, then automatically return to the initial state. OUT1 keeps outputing, then stops when OUT2 delaying output occur.
Counting data continue until exterior reset input:
OUT1 output keeping at (counting data ≤ SV1)
OUT2 output keeping as (counting data ≥ SV2)
IN=d output method just be contrary
Counting data continue, OUT1 keeps outputing, OUT2 stops when OUT2 delaying output occur.
Counting data continue during the delaying output procedure. Return to the initial state when output delaying occur.
OUT1 keeps outputing until OUT2 delaying output stop.
Counting data and OUT1 output keep manual reset input.
OUT2 delaying output returna to initial state.